



# SAP Business One for Warehouse Management (WMS)

Solution Overview

# Solution Benefits

- Compliance with industry standards
- Inbound logistics
- Outbound logistics
- Supports GS1/UCC standards
- Inventory allocation
- Multiple picking processes
- Improved inventory accuracy
- Increased warehouse efficiencies



# Streamline and Optimize Your Logistics

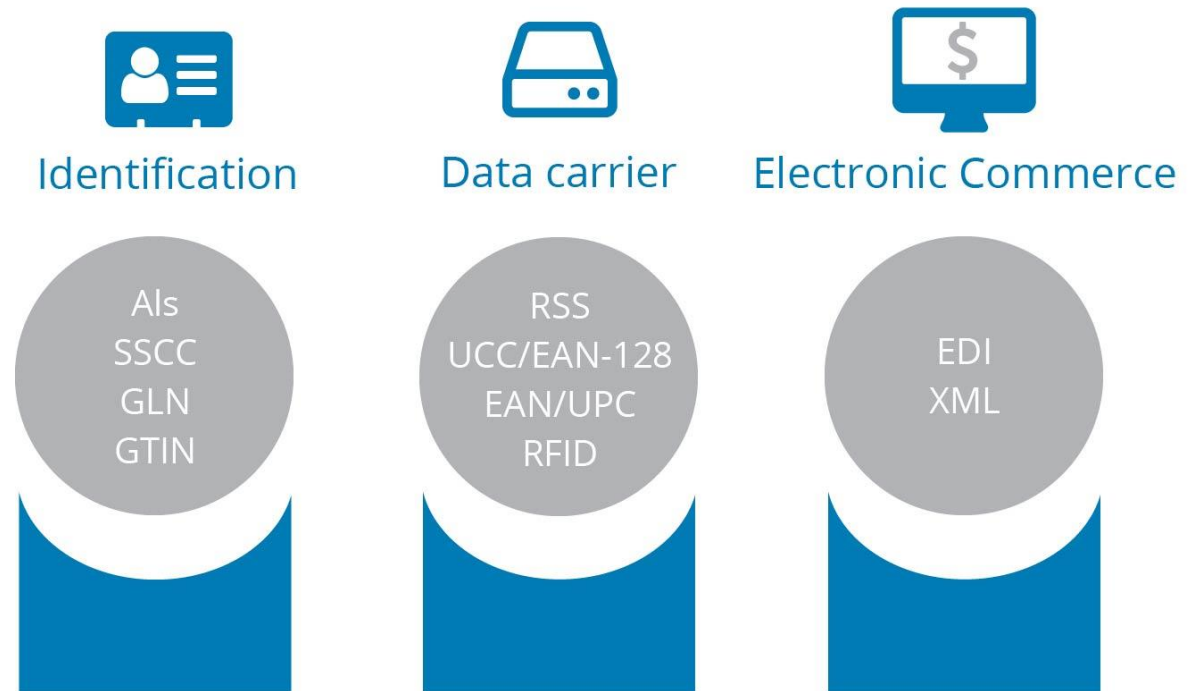
- SAP Business One for Warehouse Management (WMS) is seamlessly integrated ERP solution, providing a consistent user environment and straightforward navigation.

**SAP** Business  
**One**

# Meet the strict industry-specific regulatory requirements

- Based on GS1 industry standards
  - GS1, a global standardization body in the supply and demand chain
- PTI Compliance
  - Produce Traceability Initiative (PTI)
- GS1 Barcodes (UCC-128)
  - GS1/UCC 14 – for individuals products
  - GS1/UCC-128
- GS1 eCom
  - EDI e.g. DESADV (Despatch Advice) / ASN (Advance Shipping Notification)

## Supply Chain Management



# Inbound Logistics



- Comprehensive support of inbound logistics without manual, paper-based processes.



# Inbound Logistics Functionality



- Real-time receiving
- Container receiving
  - Inventory staging
  - Quality checks
- Directed put away
  - Ad hoc put away
- Return management
  - License plates
  - Batch Attributes

PURCHASE ORDER: N/A		
SSCC: 123456789000002788		
FROM: N/A N/A		
PRODUCT: Choco Paste 500oz jar		
CONTENT 00064972310420	COUNT 1200	BEST BEFORE 01/10/2014
RECEPTION DATE 01/10/2013	BATCH/LOT RM2013100002	
 (02)00064972310420(15)141001(37)1200(10)RM2013100002		
 (00)123456789000002788		

SSCC Label

# Outbound Logistics

Support for efficient management of products through the supply chain.

- Pack validation
- Improved inventory accuracy
- Pick validation
- Shipping integration
- Carton content



# Outbound Logistics



**Delivered to:**  
**Customer food 1**  
**Summit Blvd**  
**NULL**  
**Atlanta GA 30319**

Delivery number: 126  
 Delivery date: 1/10/2013

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**Sales Order Number:**

Item Code	Description	Quantity	Ord. Quantity	Batch	Best Before
LC_001	Chop Pallet	1	0		

**Sales Order Number: 157**

Item Code	Description	Quantity	Ord. Quantity	Batch	Best Before
DIS_FO_FG_I	Choco Paste 500oz jar	960	1.200	RM2013070008	4/08/2014
DIS_FO_FG_I	Choco Paste 500oz jar	240	1.200	RM2013070010	5/08/2014

Pick list

Customer: C\_FO\_002  
 Name: Customer food 2  
 Address: Parkside PI  
 NULL  
 Atlanta GA 30319  
 USA

Number: 210  
 Status: Packed  
 Priority: Normal  
 Storage L: CD\_1  
 Due Date: 12/13/13 12:00:  
 Proposal: 266  
 Wave: 222  
 Customer collectNo:  
 Pick list type: Standard  
 Shipping ID: 266

#	Item Code	Description	Picked qty	Open Qty.	Uom	Batch Number	Best Before Date
0	PMX318_2BATCH_BBD	Chill Sauce	50.00	50.00	Tray	2013120022	12/05/2015

OK Cancel Print Close docum...

SSCC: 123456789000002795

FROM	TO
<b>SBODEMO</b> 2002 Summit Blvd Atlanta GA 30319 USA	<b>Customer food 1</b> Summit Blvd NULL Atlanta GA 30319 USA

PRODUCT: Choco Paste 500oz jar

CONTENT	COUNT	BEST BEFORE
00064972310420	1200	N/A

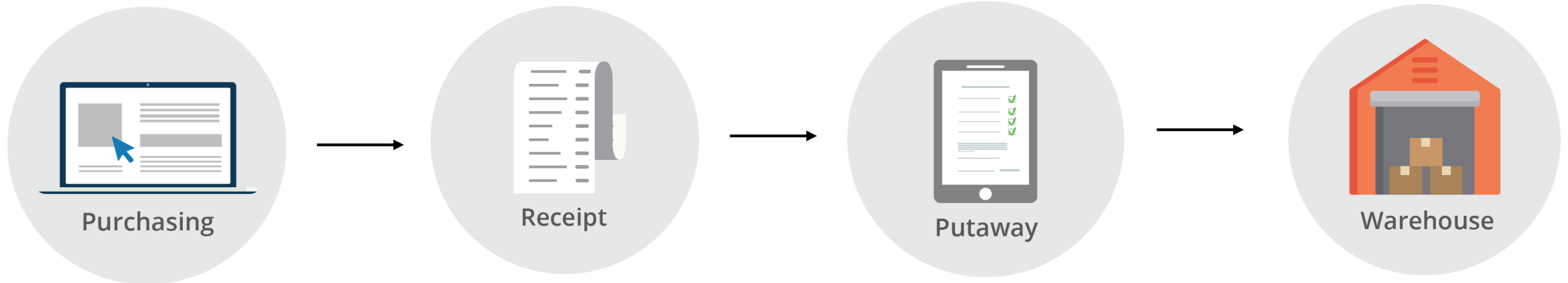
DEPARTURE DATE	BATCH/LOT
01/10/2013	N/A

(02)00064972310420(37)1200

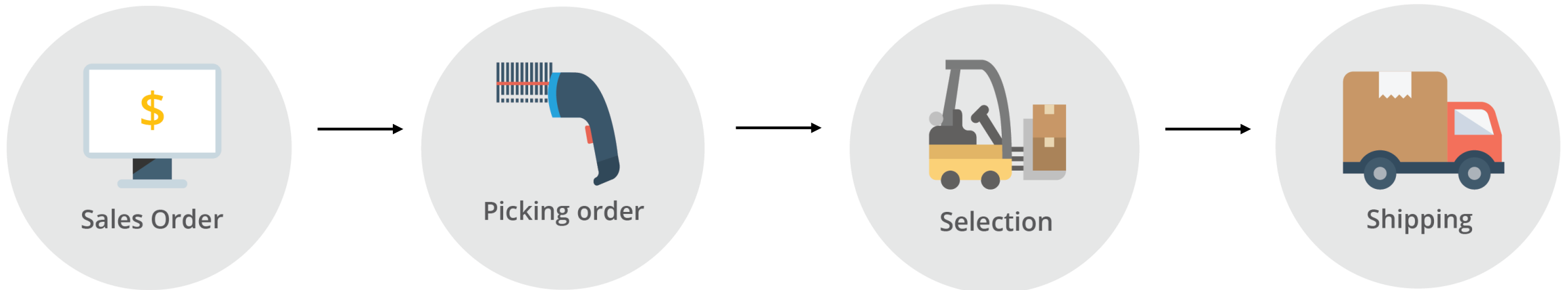
(00)123456789000002795



# Inbound Workflow



# Outbound Workflow



# Overview of GS1/UCC Identification Keys



**Trade Item (Unit)**

**GTIN**



**Logistics (Cases)**

**SSCC**



**EAN/UCC 128**

GRAND SUPPLIER COFFEE	
SSCC 006141411234567890	
CONTENT 00614141000418	COUNT 20
BEST BEFORE (ddmmyy) 14.02.00	BATCH 4512XA
(01)00614141000418(15)000214(10)4512XA(37)20	
(00)00614141123456789	

**Contents Label**

**UCC-128**

include additional data such as best before dates, batch numbers, quantities, weights and many other attributes



# Inventory Allocation

There are several ways to “hard allocate” inventory:













- **When inventory is in stock**
  - Directly from a sales order
  - From the inventory dashboard
    - Locked to a specific sales order,
    - Locked to a customer before a sales order has been placed
  - From the picklist proposal manager
- **When inventory is not in stock**
  - Using inventory locking in advance
  - Using the Procurement Wizard to link PO to Sales Order.



# Wave Picking – Pack Station

**United Parcel Service, Inc.** 284  
Glenlake Parkway  
Atlanta GA 30328  
USA

SSCC: [No SSCC]  
Remarks:

Product	Batch number Best before date	Total	Quantity to pack
 282829 - 282829, Lowland Gorilla	SAF20141000... 	4 EA	 <b>4</b> 
 70629, Giraffe	987456 	4 EA	 <b>4</b> 
 238429, African Elephant	BIG20150909... 	4 EA	 <b>4</b> 

Enter cart    Add items    Finish logistic    Select all

Navigation icons: back, stop, refresh, forward, close, checkmark, refresh, forward

# Industries Served

- Supports all areas of warehouse management while addressing your industry specific requirements.



## FOOD INDUSTRY & WHOLESALE

- Regulatory compliance: GS1 identification, tracking & tracing
- Expiry dates, FEFO, shelf life, two batch numbers
- Catch weight management
- Production & packaging



## LIFE SCIENCES & PHARMACEUTICALS

- Regulatory compliance: tracking & tracing, audit trail
- Quality management of inventory (batch, item, logistic unit)
- Sampling
- Weighing & dispensing
- Tracking & tracing on item level (serialization)
- Anti-counterfeiting



## WHOLESALE & DISTRIBUTION

- Paperless working with RF terminals
- Increased productivity
- Improved delivery accuracy
- GS1 identification, tracking & tracing



## THIRD PARTY LOGISTICS

- Multi-owner, multi-warehouse management
- Value added logistics (VAL)
- EDI: ASN, DESADV
- Tracking & tracing
- 3PL invoicing



## CONSUMER GOODS

- Paperless working with RF terminals
- Increased productivity
- Cost reduction
- Tracking & tracing at item level (serialization)
- Anti-counterfeiting



## DISCRETE MANUFACTURING

- Advanced production scheduling & optimization
- Real-time production data collection
- Manufacturing cost calculation

# Micro Vertical Support

- Also support features and functionality for micro-vertical industries.

